

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022503.D
 Acq On : 04 Nov 2022 08:12
 Operator : CG/JU
 Sample : N5395-07DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122DL

Quant Time: Nov 04 08:54:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

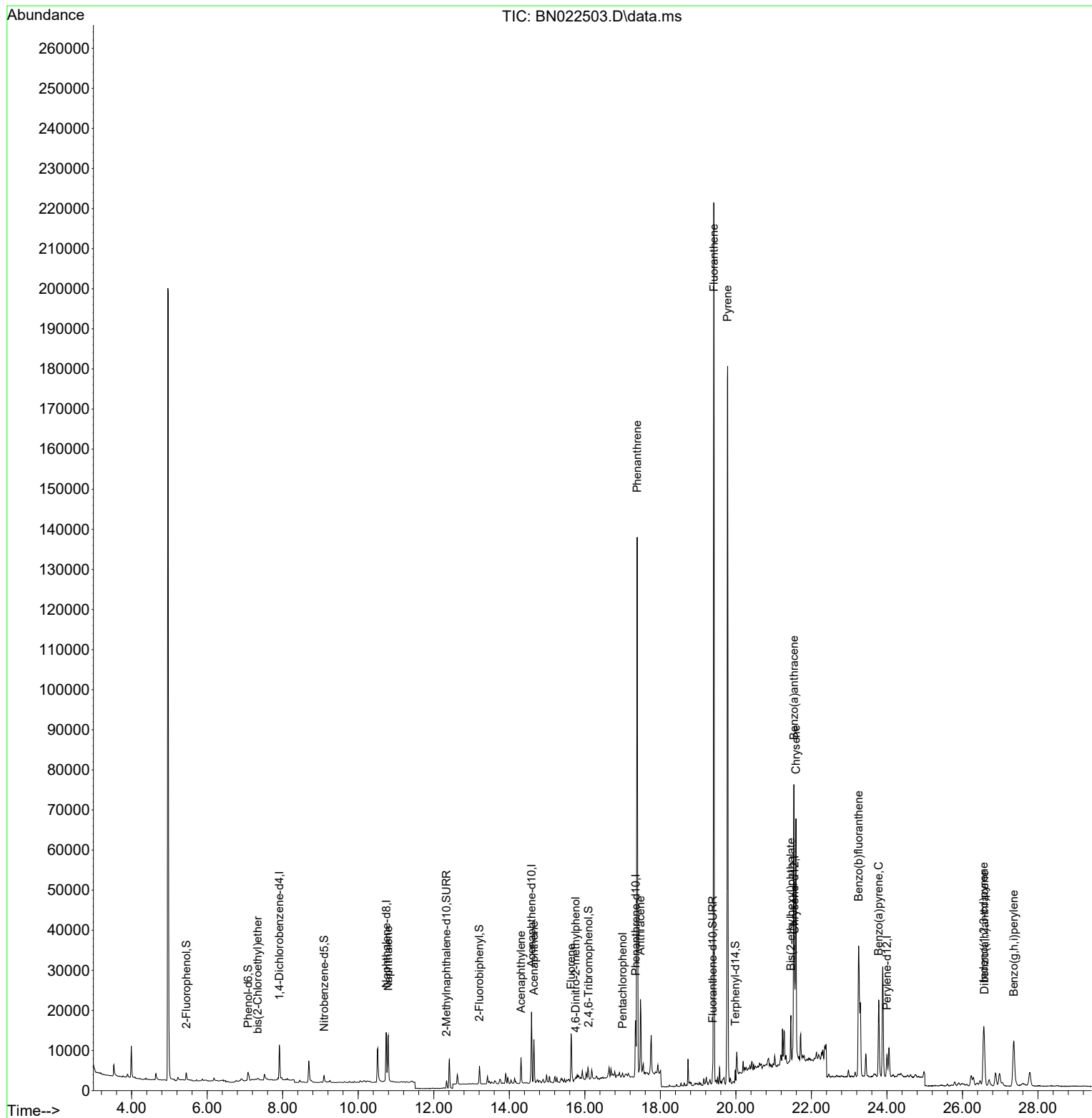
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	4490	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16187	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9768	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	19912	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	9736	0.400	ng	0.00
35) Perylene-d12	23.999	264	7595	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1722	0.136	ng	0.00
5) Phenol-d6	7.083	99	2360	0.148	ng	0.00
8) Nitrobenzene-d5	9.097	82	1575	0.108	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	2639	0.097	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	575	0.112	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	4116	0.101	ng	-0.01
27) Fluoranthene-d10	19.386	212	4254	0.078	ng	0.00
31) Terphenyl-d14	19.985	244	4529	0.149	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.336	93	323	0.023	ng	86
9) Naphthalene	10.795	128	15297	0.312	ng	98
16) Acenaphthylene	14.311	152	6869	0.139	ng	98
17) Acenaphthene	14.653	154	5343	0.167	ng	100
18) Fluorene	15.637	166	8158	0.182	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.761	198	16	0.234	ng	# 1
24) Pentachlorophenol	17.002	266	36	0.175	ng	# 83
25) Phenanthrene	17.387	178	132863	1.996	ng	100
26) Anthracene	17.474	178	20906	0.357	ng	# 92
28) Fluoranthene	19.416	202	192495	2.684	ng	99
30) Pyrene	19.782	202	162165	3.858	ng	# 96
32) Benzo(a)anthracene	21.537	228	56326	1.439	ng	99
33) Chrysene	21.591	228	55822	1.440	ng	98
34) Bis(2-ethylhexyl)phtha...	21.457	149	10674	0.324	ng	99
36) Indeno(1,2,3-cd)pyrene	26.566	276	25404	0.695	ng	94
37) Benzo(b)fluoranthene	23.251	252	57465	1.924	ng	95
39) Benzo(a)pyrene	23.783	252	27313	1.068	ng	97
40) Dibenzo(a,h)anthracene	26.581	278	6563	0.226	ng	# 83
41) Benzo(g,h,i)perylene	27.359	276	25536	0.826	ng	97

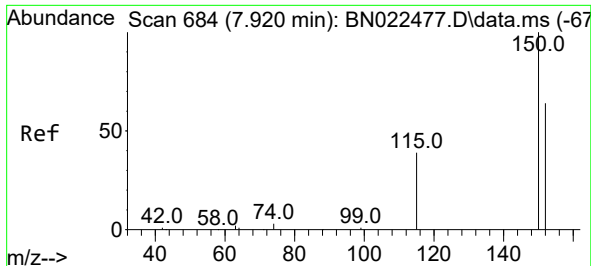
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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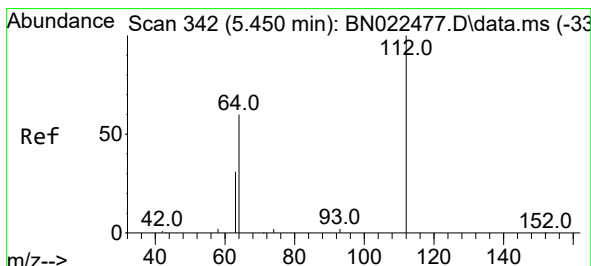
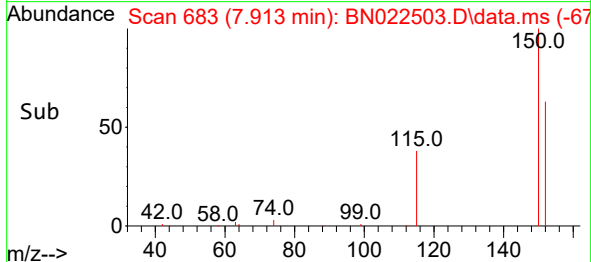
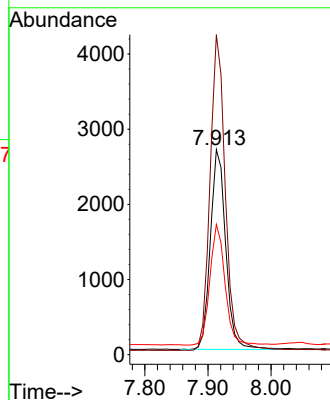
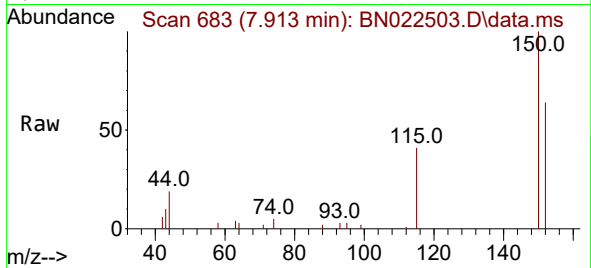




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.913 min Scan# 684
 Delta R.T. -0.007 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

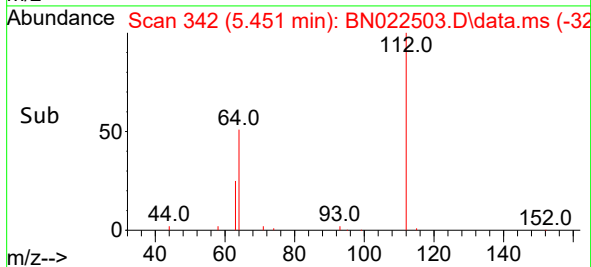
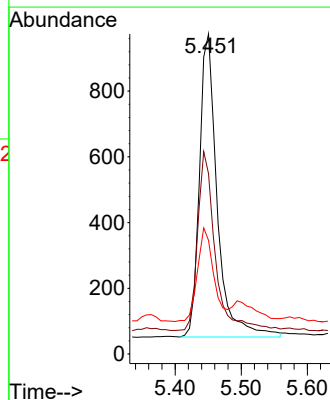
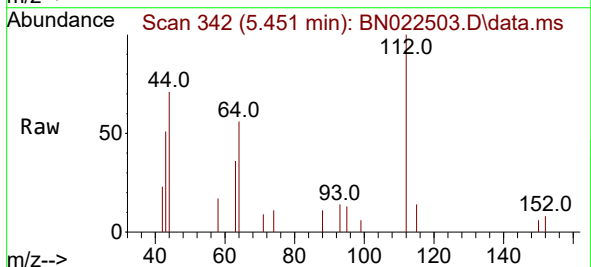
Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122DL

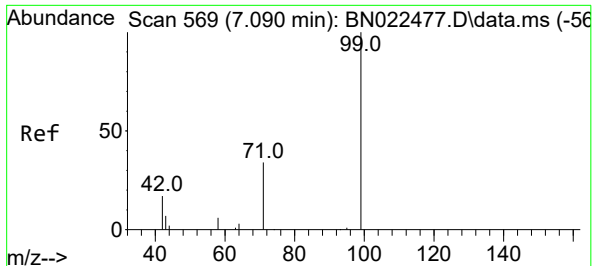
Tgt Ion:152 Resp: 4490
 Ion Ratio Lower Upper
 152 100
 150 156.1 123.4 185.2
 115 63.5 54.9 82.3



#4
 2-Fluorophenol
 Concen: 0.136 ng
 RT: 5.451 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

Tgt Ion:112 Resp: 1722
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.1 70.7
 63 28.3 24.6 36.8

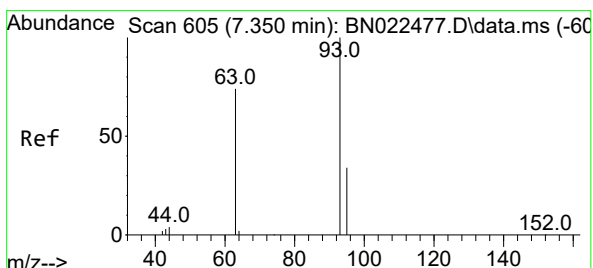
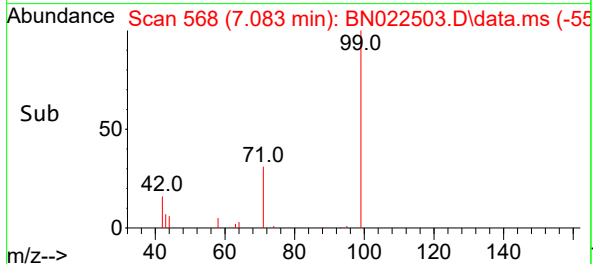
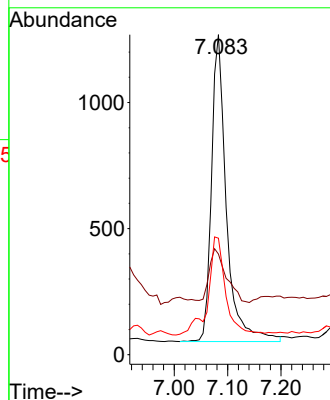
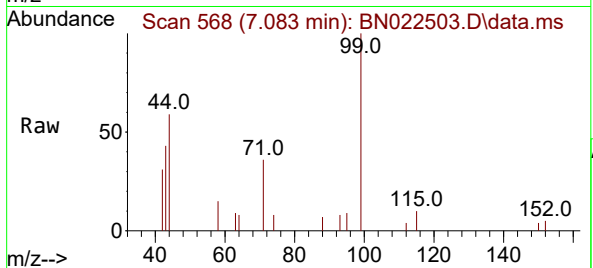




#5
Phenol-d6
Concen: 0.148 ng
RT: 7.083 min Scan# 501
Delta R.T. -0.007 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

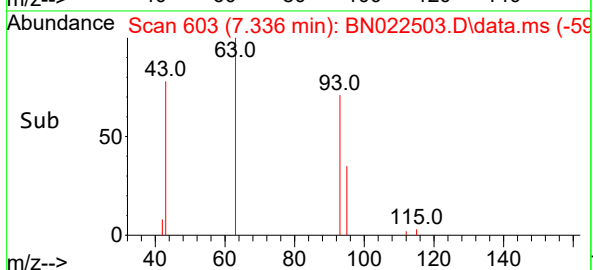
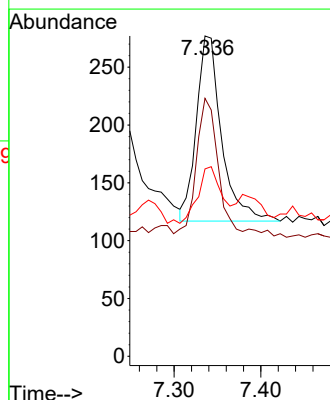
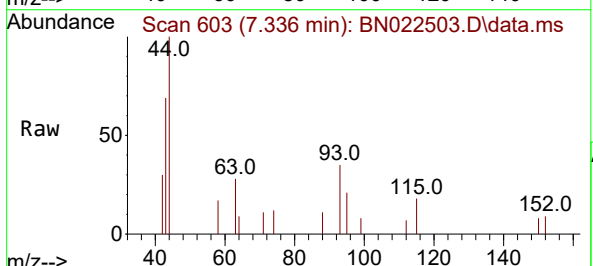
Instrument :
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ClientSampleId :
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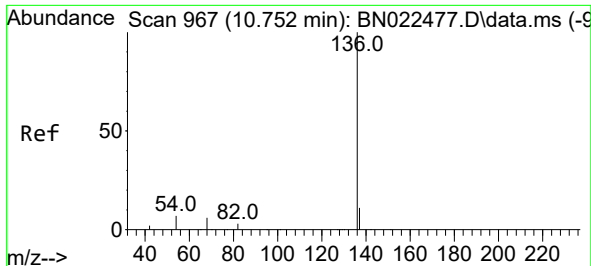
Tgt Ion: 99 Resp: 2360
Ion Ratio Lower Upper
99 100
42 19.8 14.7 22.1
71 37.8 27.0 40.6



#6
bis(2-Chloroethyl)ether
Concen: 0.023 ng
RT: 7.336 min Scan# 603
Delta R.T. -0.014 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion: 93 Resp: 323
Ion Ratio Lower Upper
93 100
63 61.3 61.2 91.8
95 28.8 25.7 38.5

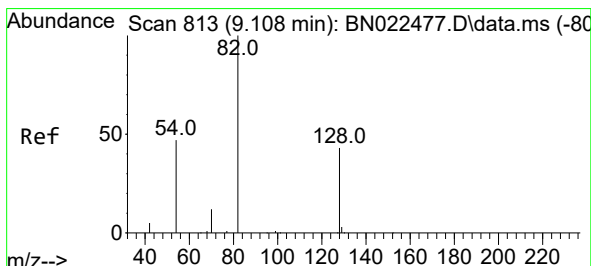
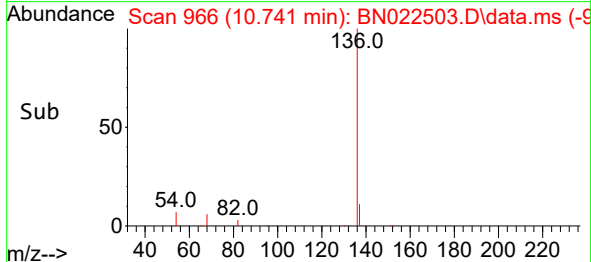
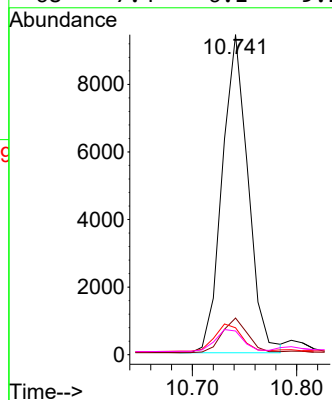
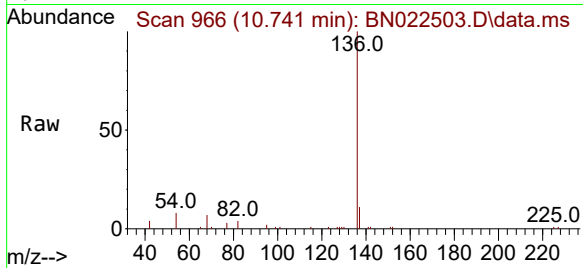




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 90
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

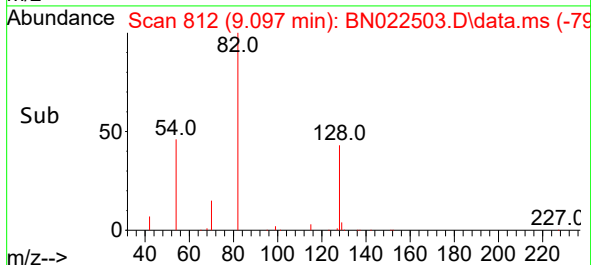
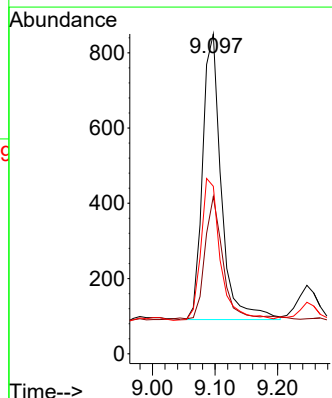
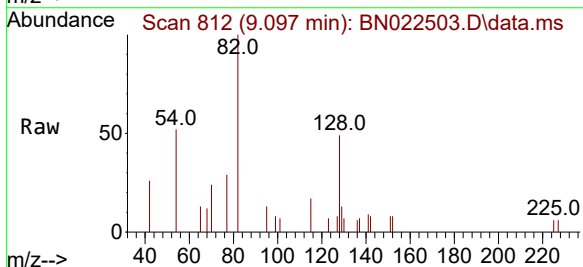
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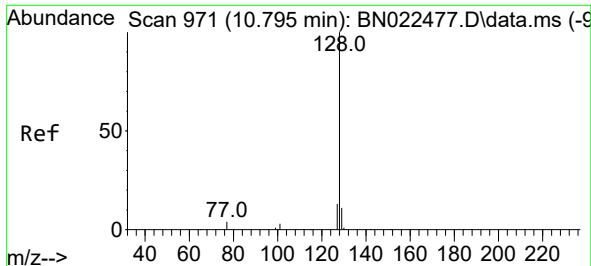
Tgt Ion:	136	Resp:	16187
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	8.4	7.1	10.7
68	7.4	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.108 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:	82	Resp:	1575
Ion	Ratio	Lower	Upper
82	100		
128	49.2	37.3	55.9
54	52.4	40.0	60.0

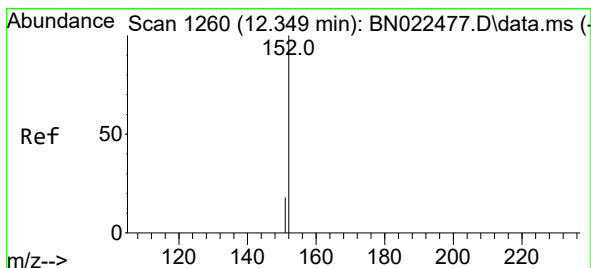
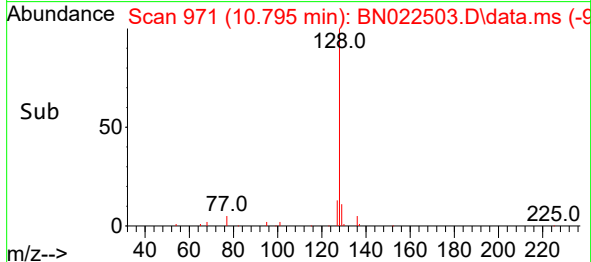
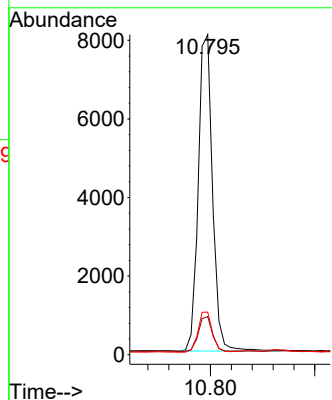
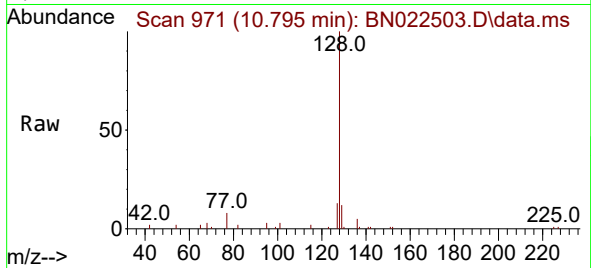




#9
Naphthalene
Concen: 0.312 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

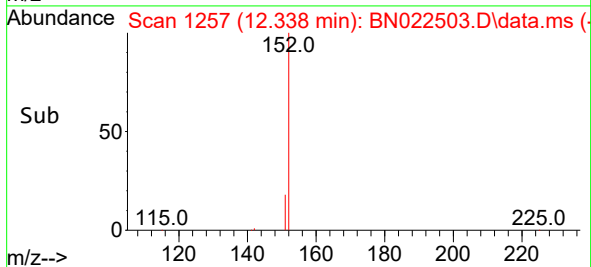
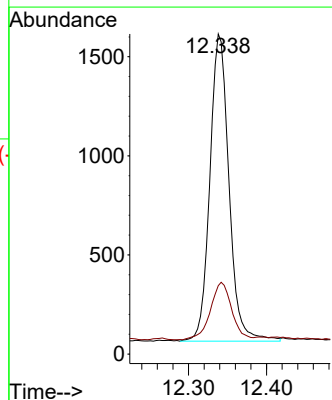
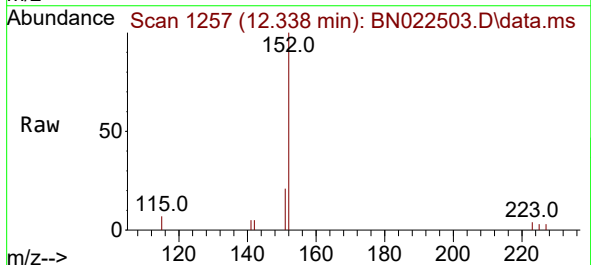
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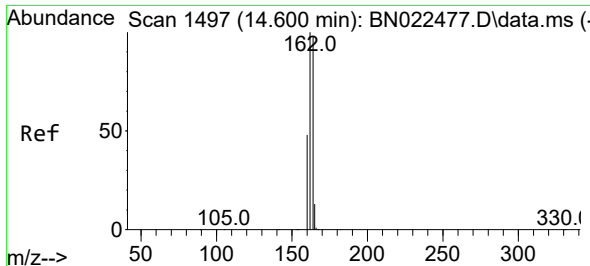
Tgt Ion:128 Resp: 15297
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 13.3 11.4 17.2



#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:152 Resp: 2639
Ion Ratio Lower Upper
152 100
151 20.9 16.6 25.0

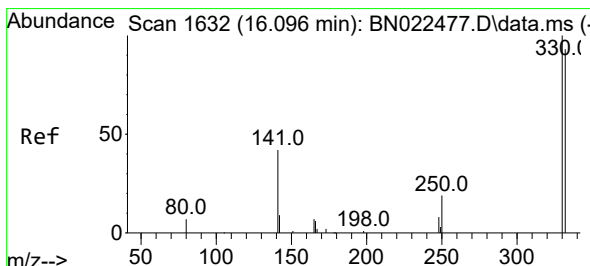
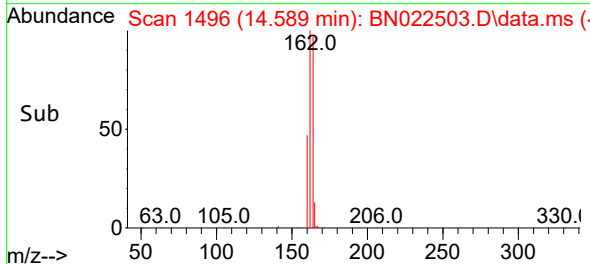
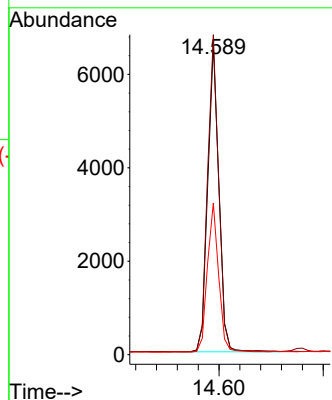
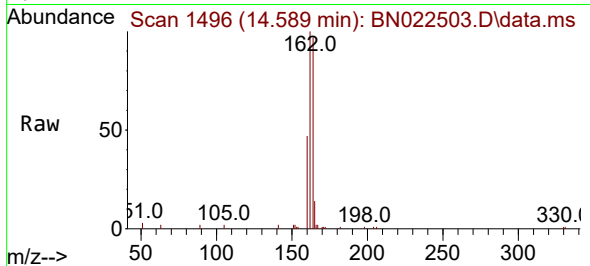




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

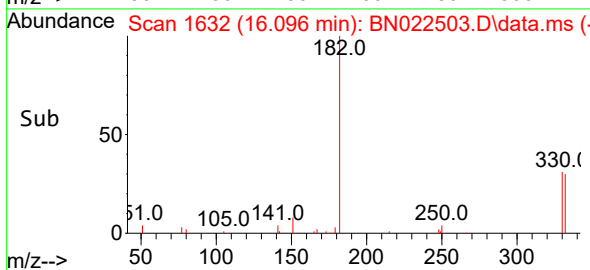
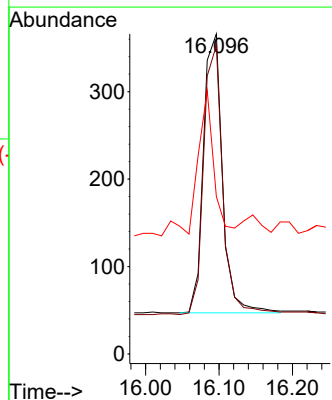
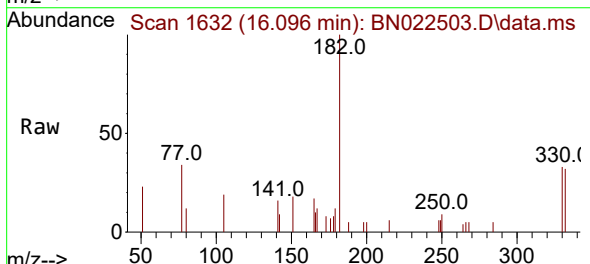
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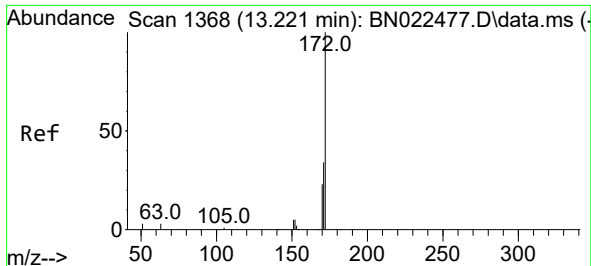
Tgt Ion:164 Resp: 9768
Ion Ratio Lower Upper
164 100
162 102.9 82.0 123.0
160 48.8 39.4 59.2



#14
2,4,6-Tribromophenol
Concen: 0.112 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:330 Resp: 575
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 45.7 35.0 52.6

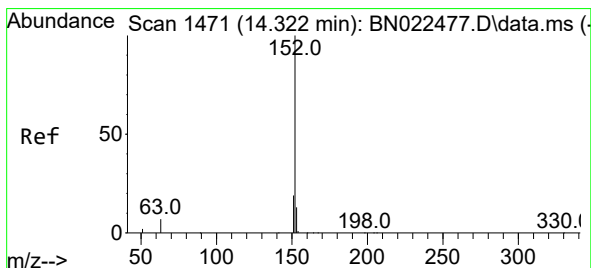
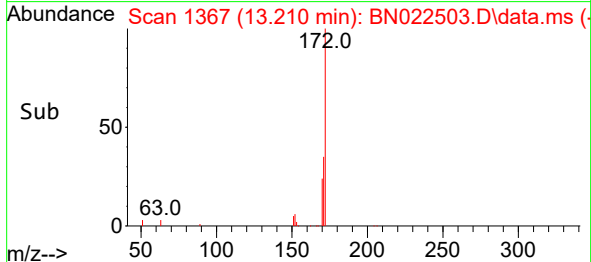
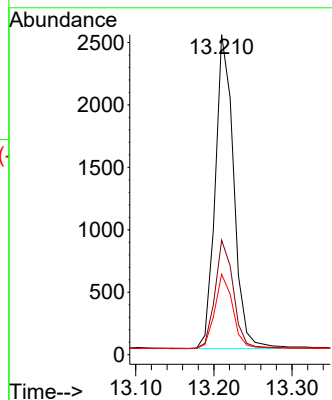
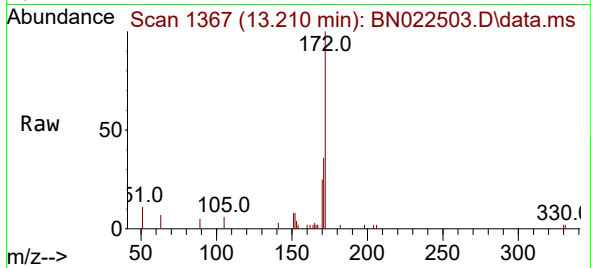




#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 13.210 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

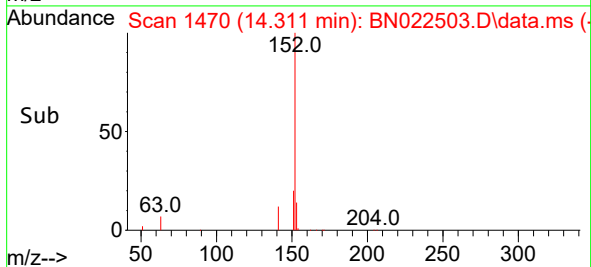
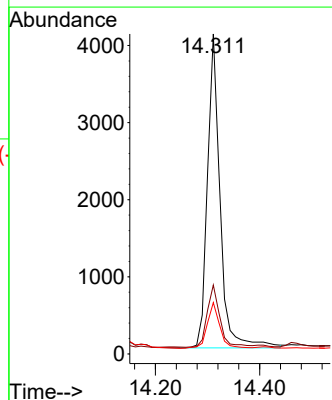
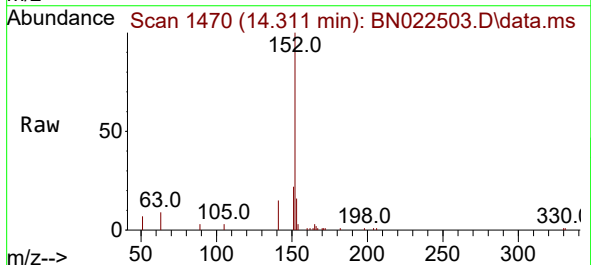
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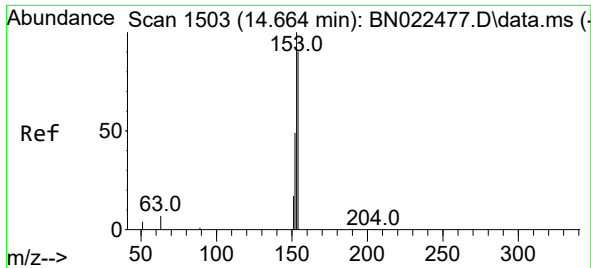
Tgt Ion:172 Resp: 4116
Ion Ratio Lower Upper
172 100
171 35.8 27.9 41.9
170 25.1 19.2 28.8



#16
Acenaphthylene
Concen: 0.139 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:152 Resp: 6869
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 14.5 10.3 15.5

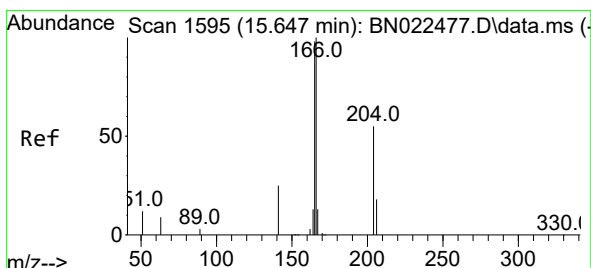
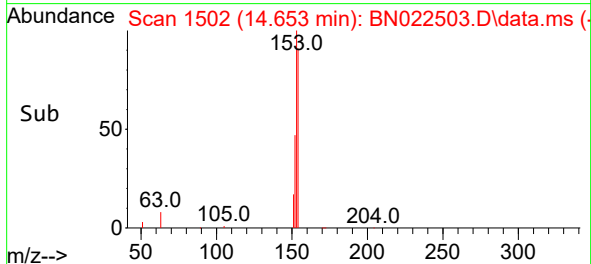
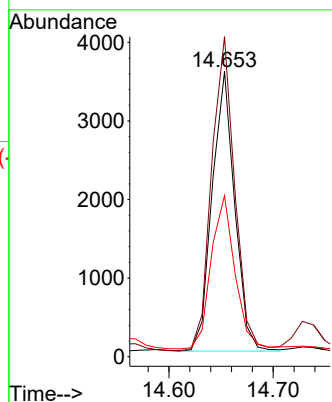
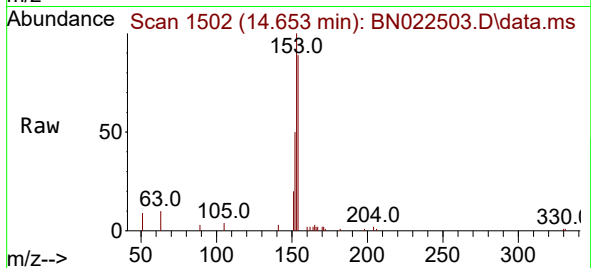




#17
Acenaphthene
Concen: 0.167 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

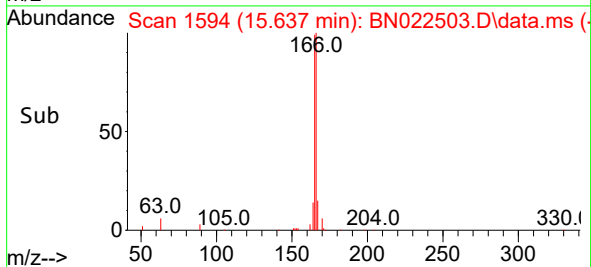
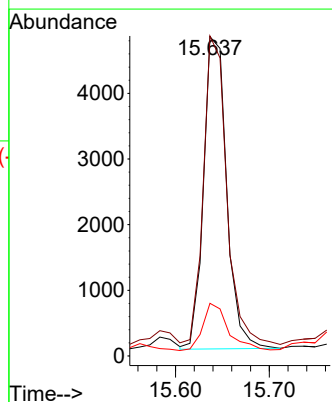
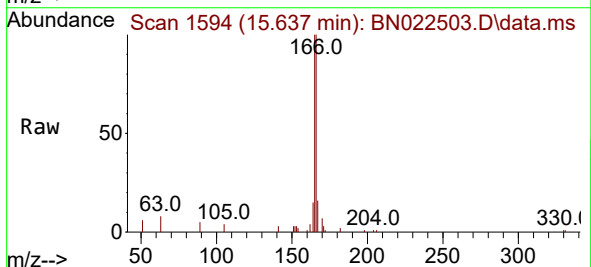
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ClientSampleId :
S-3-103122DL

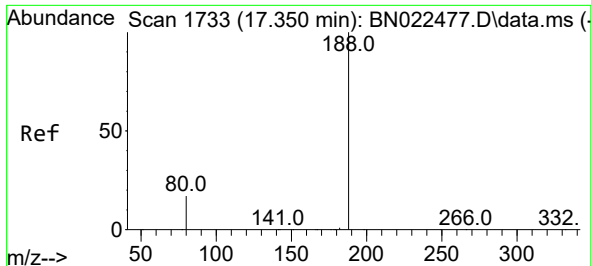
Tgt Ion:154 Resp: 5343
Ion Ratio Lower Upper
154 100
153 115.1 91.8 137.8
152 57.8 45.7 68.5



#18
Fluorene
Concen: 0.182 ng
RT: 15.637 min Scan# 1594
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:166 Resp: 8158
Ion Ratio Lower Upper
166 100
165 99.6 78.7 118.1
167 16.7 10.2 15.2#

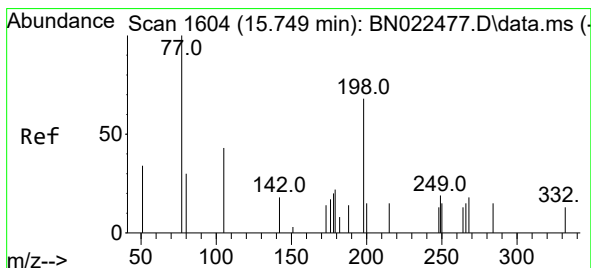
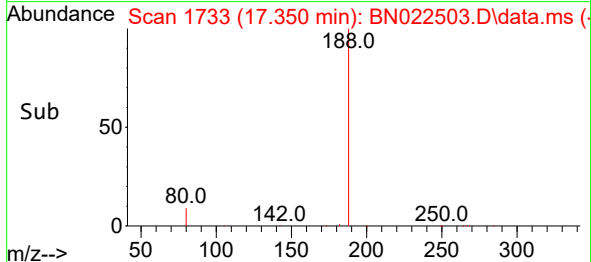
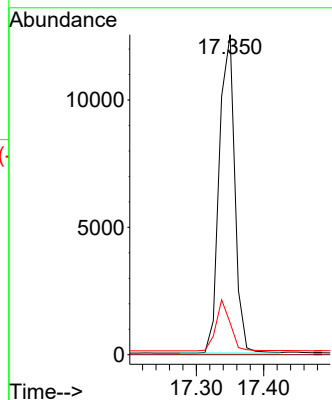
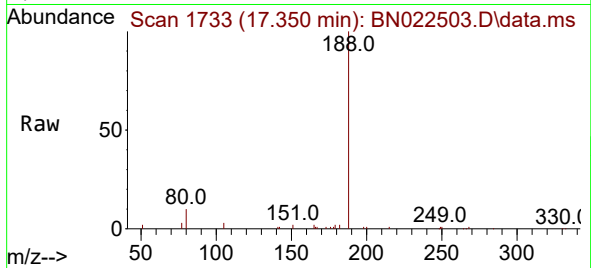




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

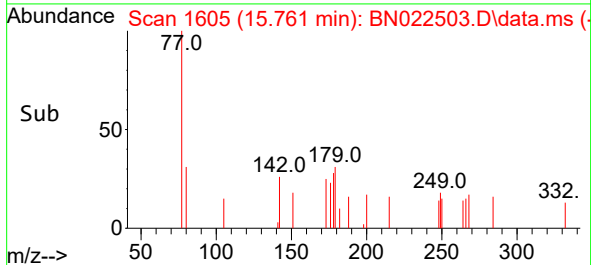
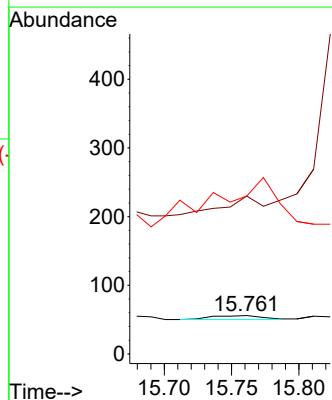
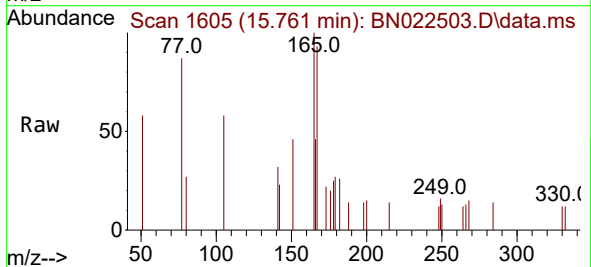
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL

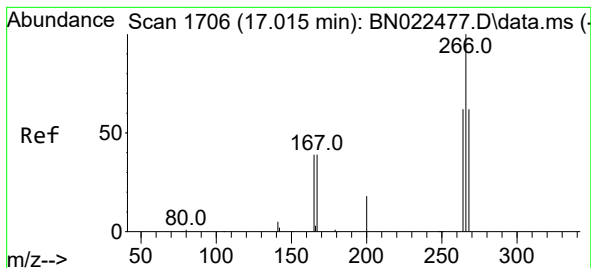
Tgt Ion:188 Resp: 19912
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 14.6 21.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.234 ng
RT: 15.761 min Scan# 1605
Delta R.T. 0.012 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:198 Resp: 16
Ion Ratio Lower Upper
198 100
51 410.7 83.8 125.8#
105 410.7 71.4 107.2#





#24

Pentachlorophenol

Concen: 0.175 ng

RT: 17.002 min Scan# 1705

Delta R.T. -0.013 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

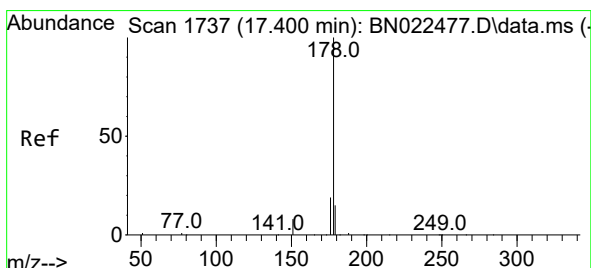
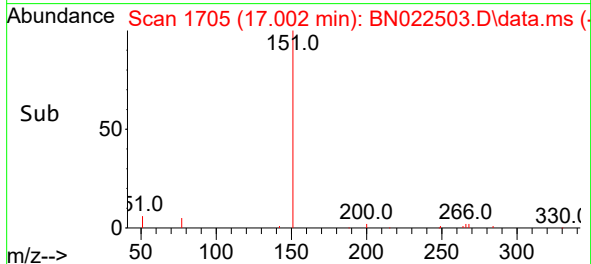
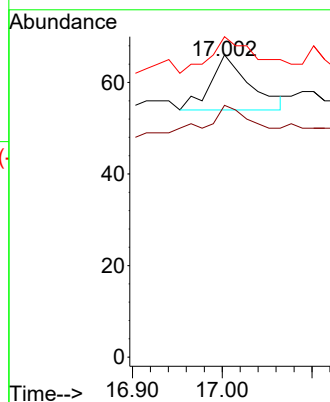
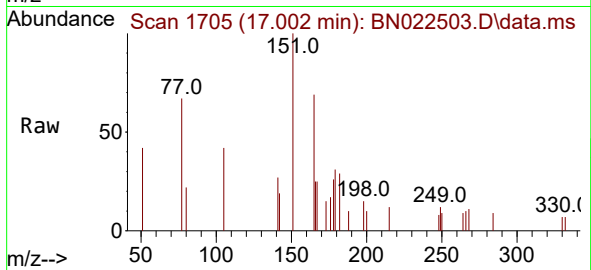
Tgt Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

264 50.0 50.6 75.8#

268 80.6 54.1 81.1



#25

Phenanthrene

Concen: 1.996 ng

RT: 17.387 min Scan# 1736

Delta R.T. -0.013 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

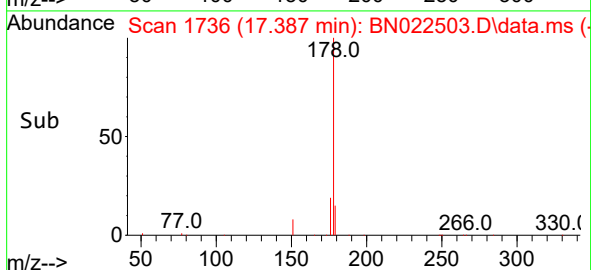
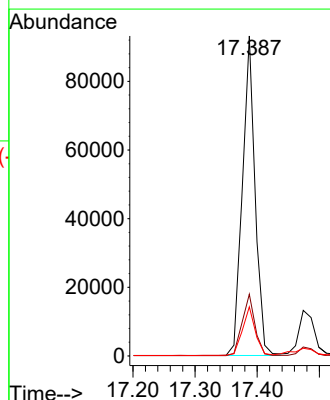
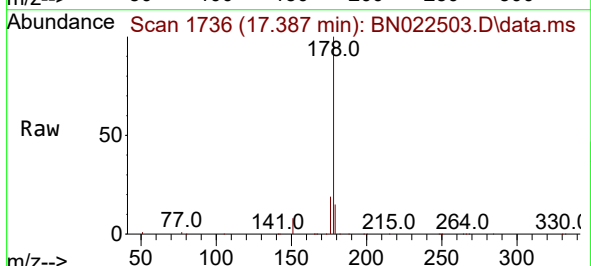
Tgt Ion:178 Resp: 132863

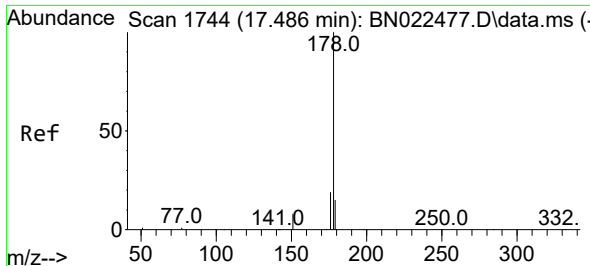
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.3 12.2 18.4

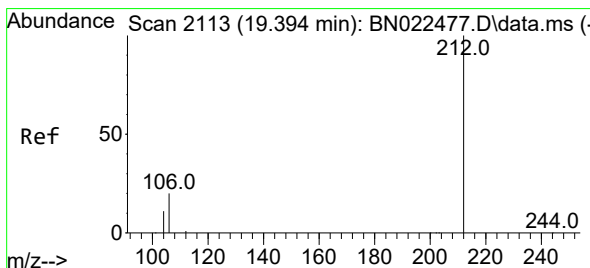
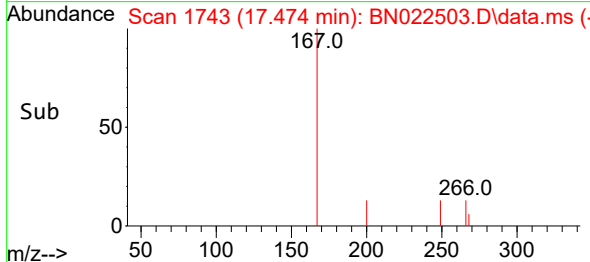
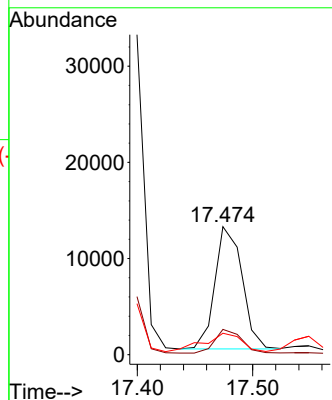
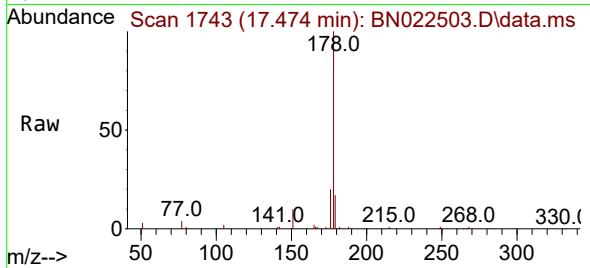




#26
 Anthracene
 Concen: 0.357 ng
 RT: 17.474 min Scan# 1743
 Delta R.T. -0.012 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

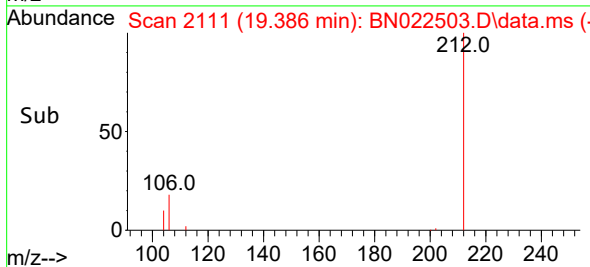
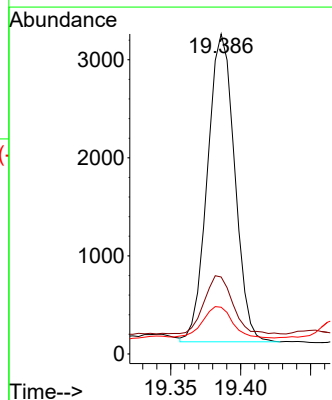
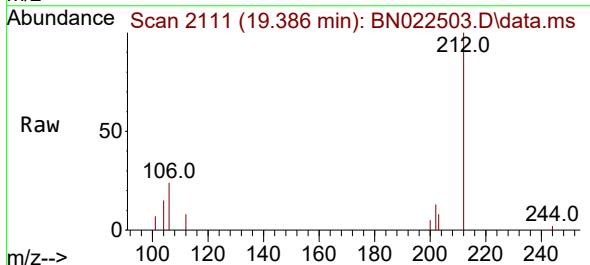
Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122DL

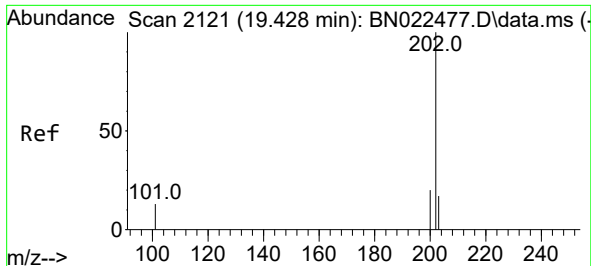
Tgt Ion:178 Resp: 20906
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.8 22.2
 179 20.6 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.078 ng
 RT: 19.386 min Scan# 2111
 Delta R.T. -0.008 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

Tgt Ion:212 Resp: 4254
 Ion Ratio Lower Upper
 212 100
 106 19.7 15.2 22.8
 104 11.7 8.6 12.8

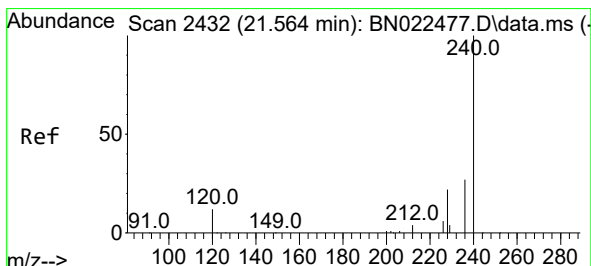
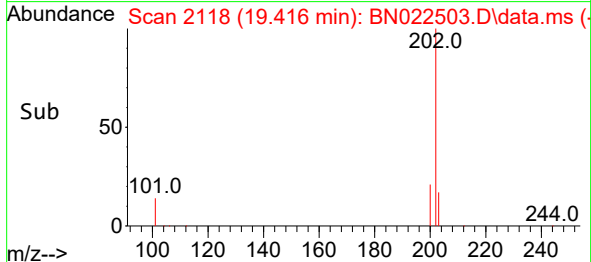
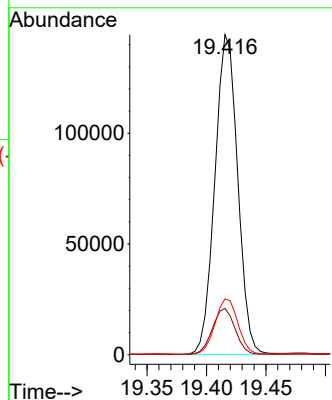
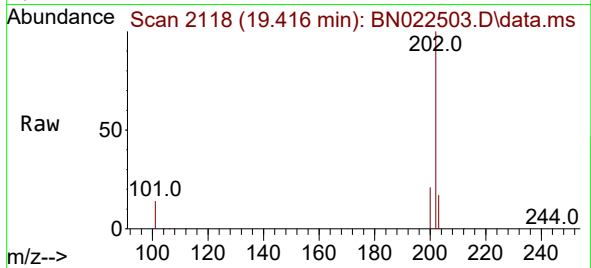




#28
Fluoranthene
Concen: 2.684 ng
RT: 19.416 min Scan# 2121
Delta R.T. -0.013 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

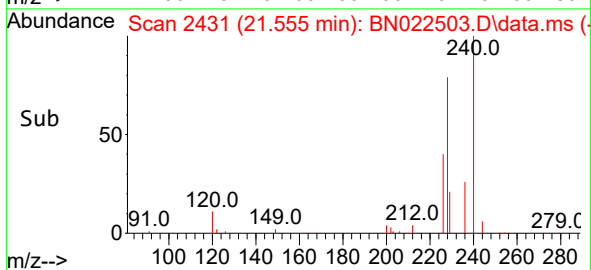
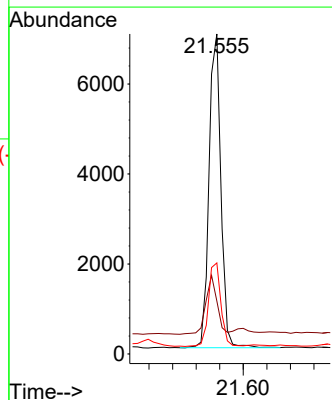
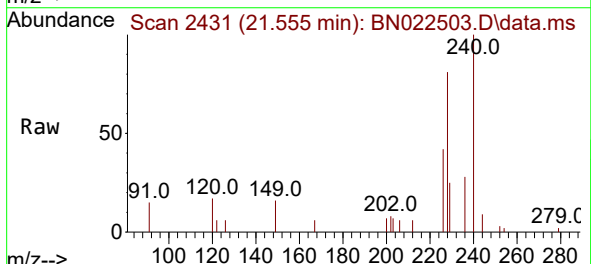
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL

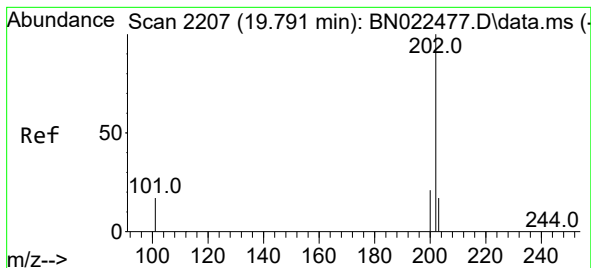
Tgt Ion:202 Resp: 192495
Ion Ratio Lower Upper
202 100
101 14.3 11.2 16.8
203 17.4 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:240 Resp: 9736
Ion Ratio Lower Upper
240 100
120 16.5 12.4 18.6
236 28.4 22.7 34.1





#30

Pyrene

Concen: 3.858 ng

RT: 19.782 min Scan# 21

Delta R.T. -0.008 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

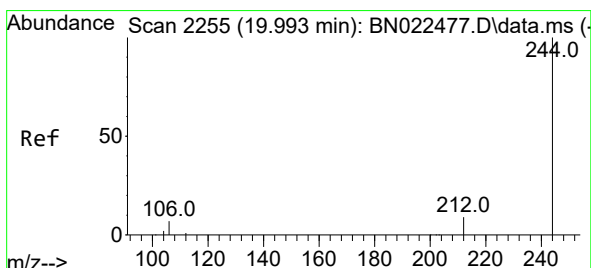
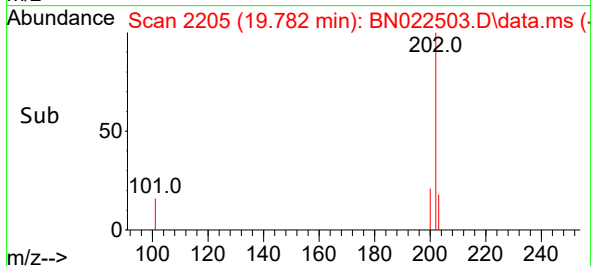
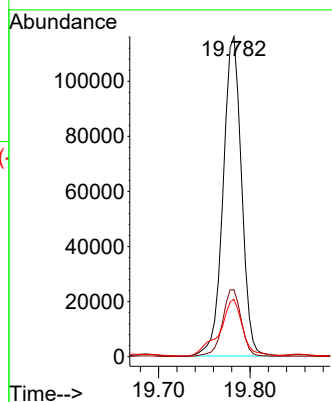
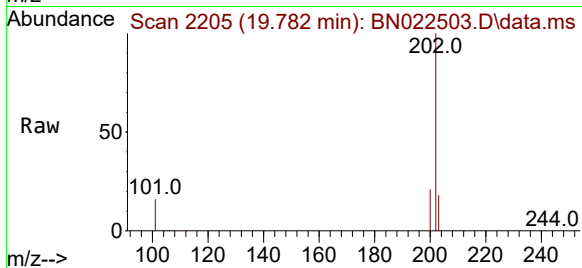
Tgt Ion:202 Resp: 162165

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 22.0 14.3 21.5#



#31

Terphenyl-d14

Concen: 0.149 ng

RT: 19.985 min Scan# 2253

Delta R.T. -0.008 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

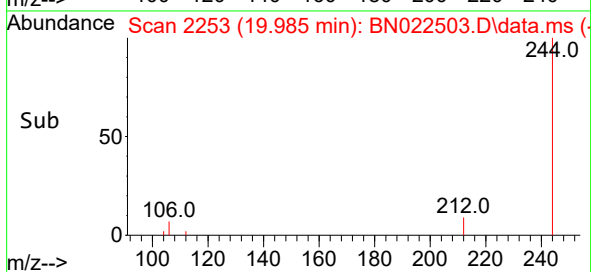
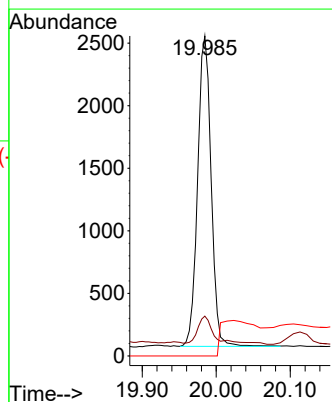
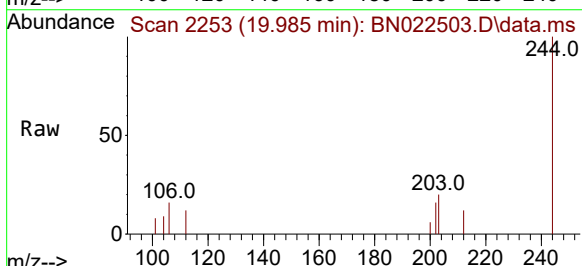
Tgt Ion:244 Resp: 4529

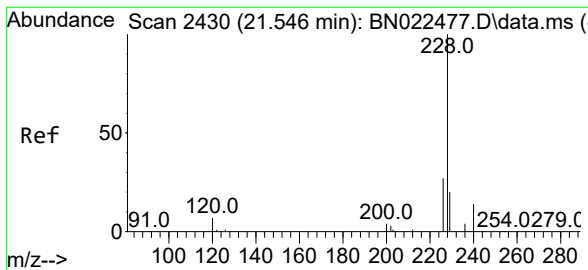
Ion Ratio Lower Upper

244 100

212 12.4 7.8 11.8#

122 0.0 0.0 0.0





#32

Benzo(a)anthracene

Concen: 1.439 ng

RT: 21.537 min Scan# 2429

Delta R.T. -0.009 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

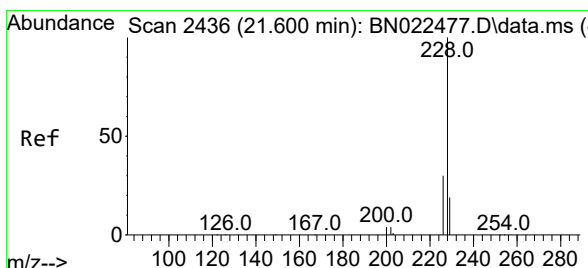
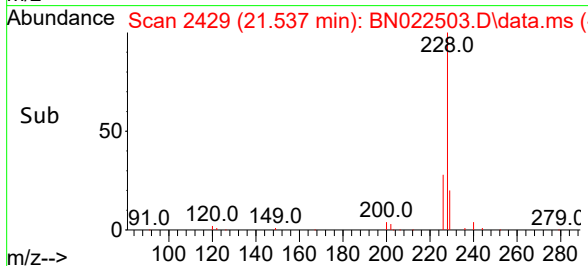
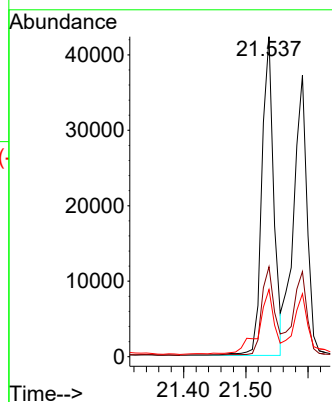
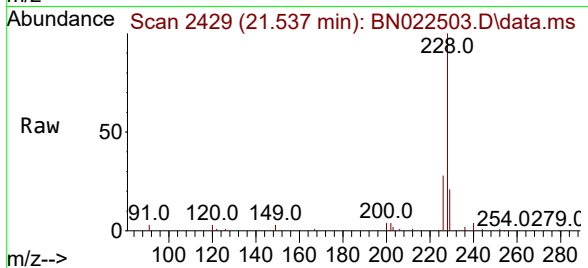
Tgt Ion:228 Resp: 56326

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 21.0 16.4 24.6



#33

Chrysene

Concen: 1.440 ng

RT: 21.591 min Scan# 2435

Delta R.T. -0.009 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

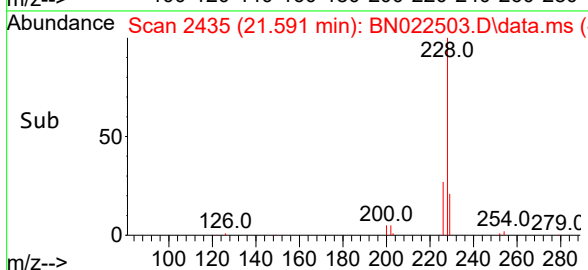
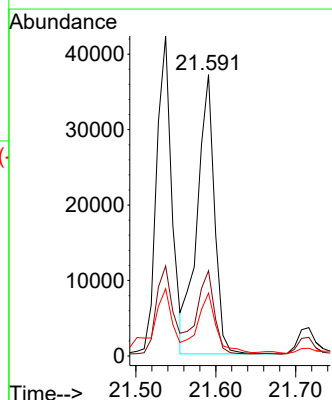
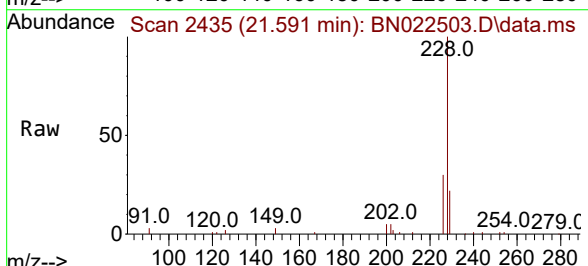
Tgt Ion:228 Resp: 55822

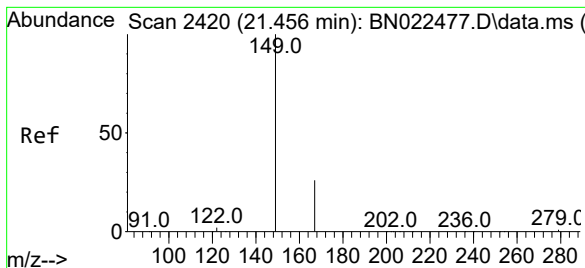
Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 22.3 15.9 23.9

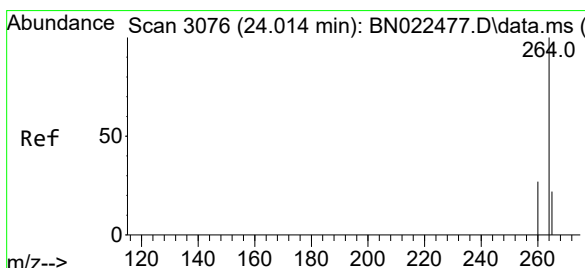
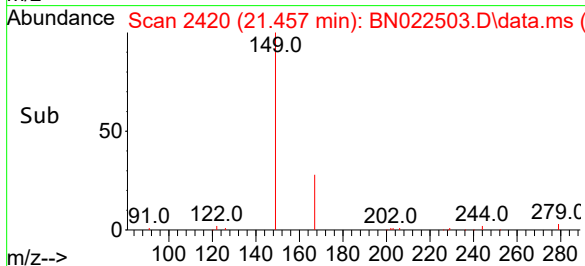
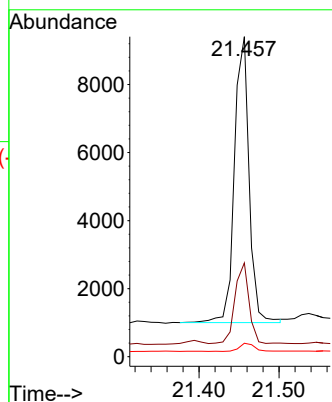
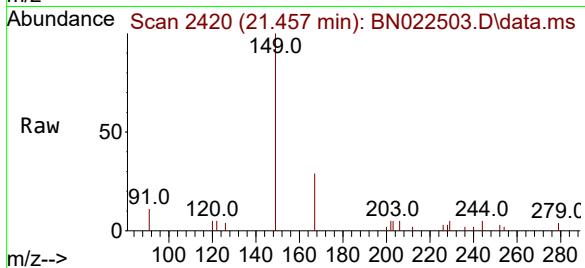




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.324 ng
 RT: 21.457 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

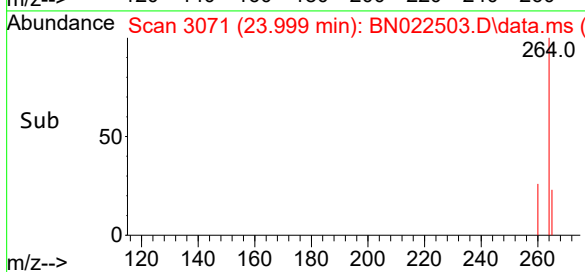
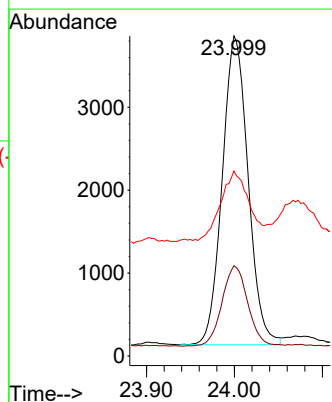
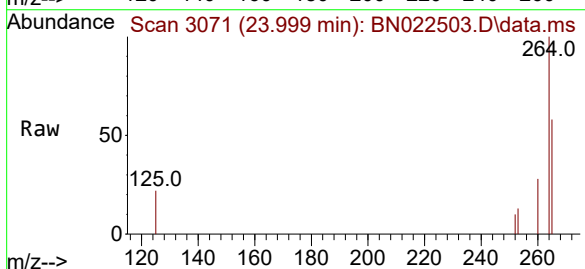
Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122DL

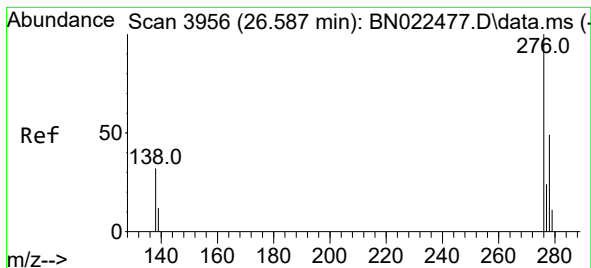
Tgt Ion:149 Resp: 10674
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.3 31.9
 279 2.9 2.7 4.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.999 min Scan# 3071
 Delta R.T. -0.015 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

Tgt Ion:264 Resp: 7595
 Ion Ratio Lower Upper
 264 100
 260 28.2 22.4 33.6
 265 57.7 44.4 66.6





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.695 ng

RT: 26.566 min Scan# 3949

Delta R.T. -0.020 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

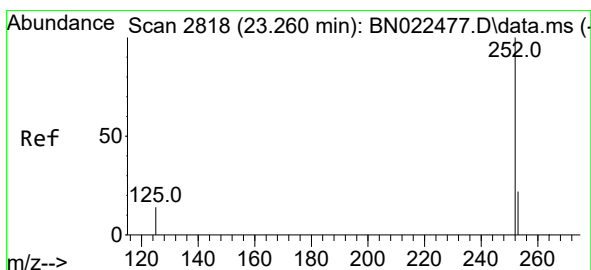
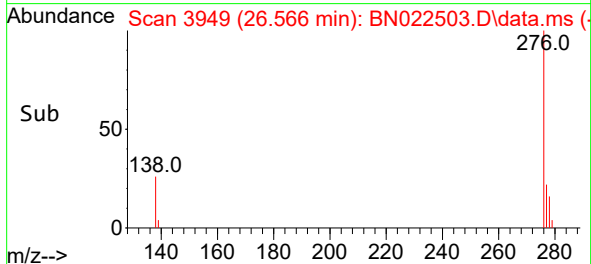
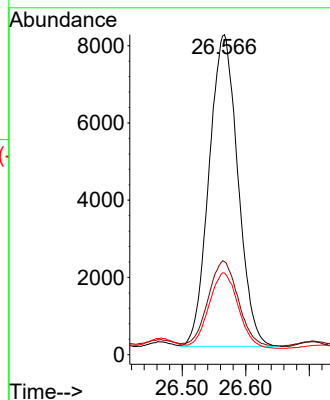
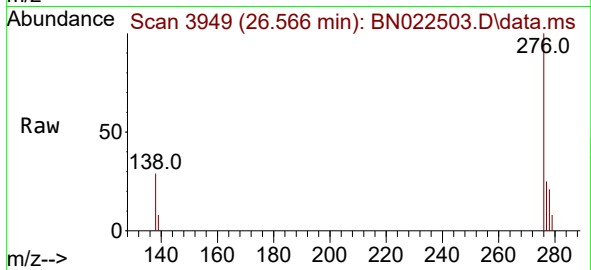
Tgt Ion:276 Resp: 25404

Ion Ratio Lower Upper

276 100

138 28.3 27.5 41.3

277 24.8 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 1.924 ng

RT: 23.251 min Scan# 2815

Delta R.T. -0.009 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

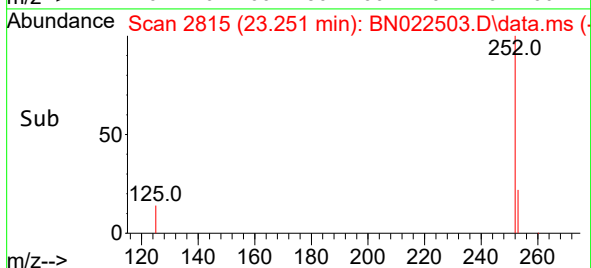
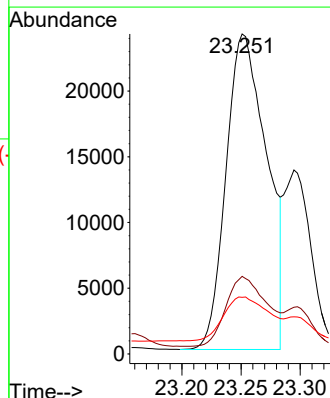
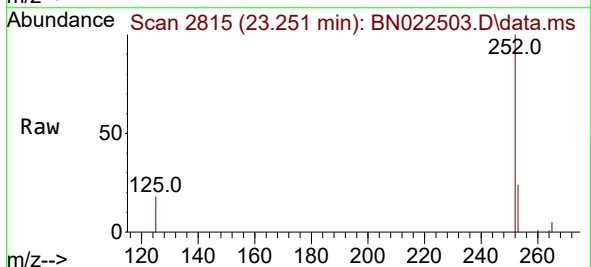
Tgt Ion:252 Resp: 57465

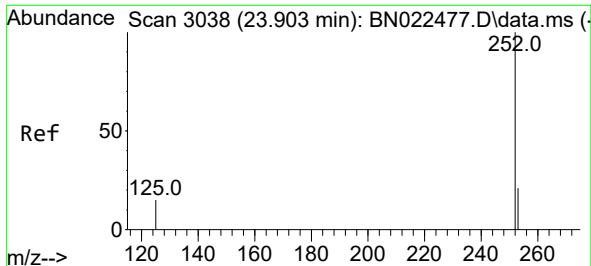
Ion Ratio Lower Upper

252 100

253 24.3 21.1 31.7

125 17.7 16.8 25.2





#39

Benzo(a)pyrene

Concen: 1.068 ng

RT: 23.783 min Scan# 2997

Delta R.T. -0.120 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

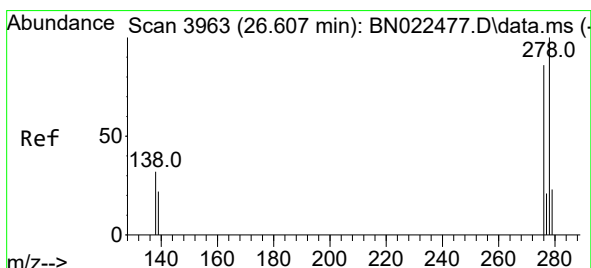
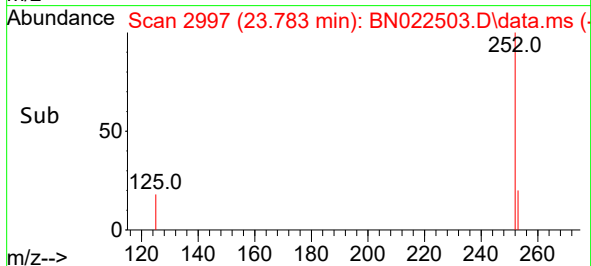
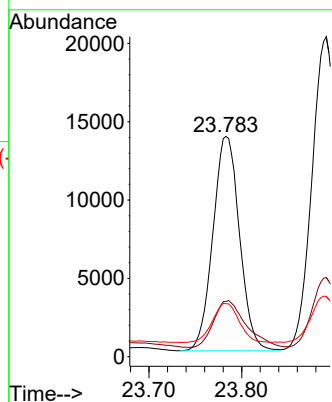
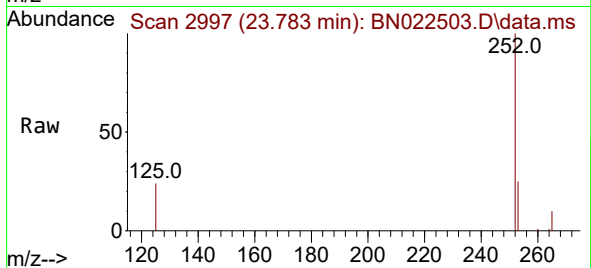
Tgt Ion:252 Resp: 27313

Ion Ratio Lower Upper

252 100

253 25.0 22.0 33.0

125 24.1 19.8 29.8



#40

Dibenzo(a,h)anthracene

Concen: 0.226 ng

RT: 26.581 min Scan# 3954

Delta R.T. -0.026 min

Lab File: BN022503.D

Acq: 04 Nov 2022 08:12

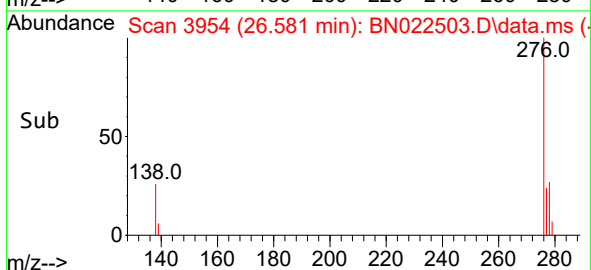
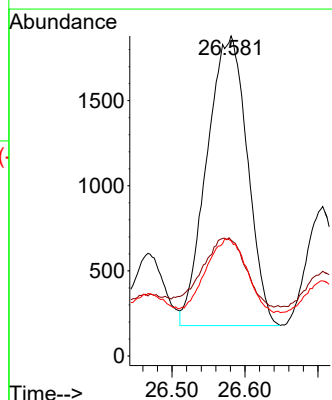
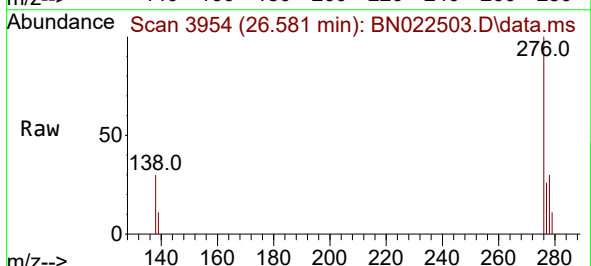
Tgt Ion:278 Resp: 6563

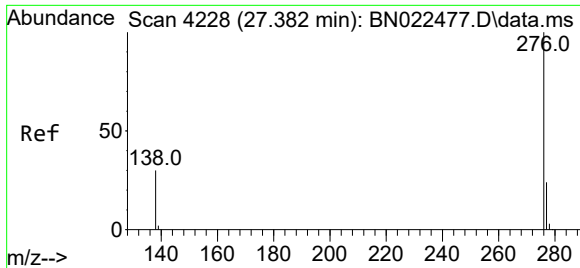
Ion Ratio Lower Upper

278 100

139 36.2 21.8 32.6#

279 36.0 21.5 32.3#





#41

Benzo(g,h,i)perylene

Concen: 0.826 ng

RT: 27.359 min Scan# 41

Delta R.T. -0.023 min

Lab File: BN022503.D

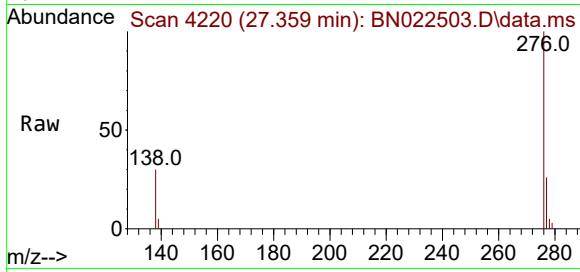
Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL



Tgt Ion:276 Resp: 25536

Ion Ratio Lower Upper

276 100

277 25.6 21.0 31.4

138 30.2 26.0 39.0

